

**Fig. 1A (prior art)**

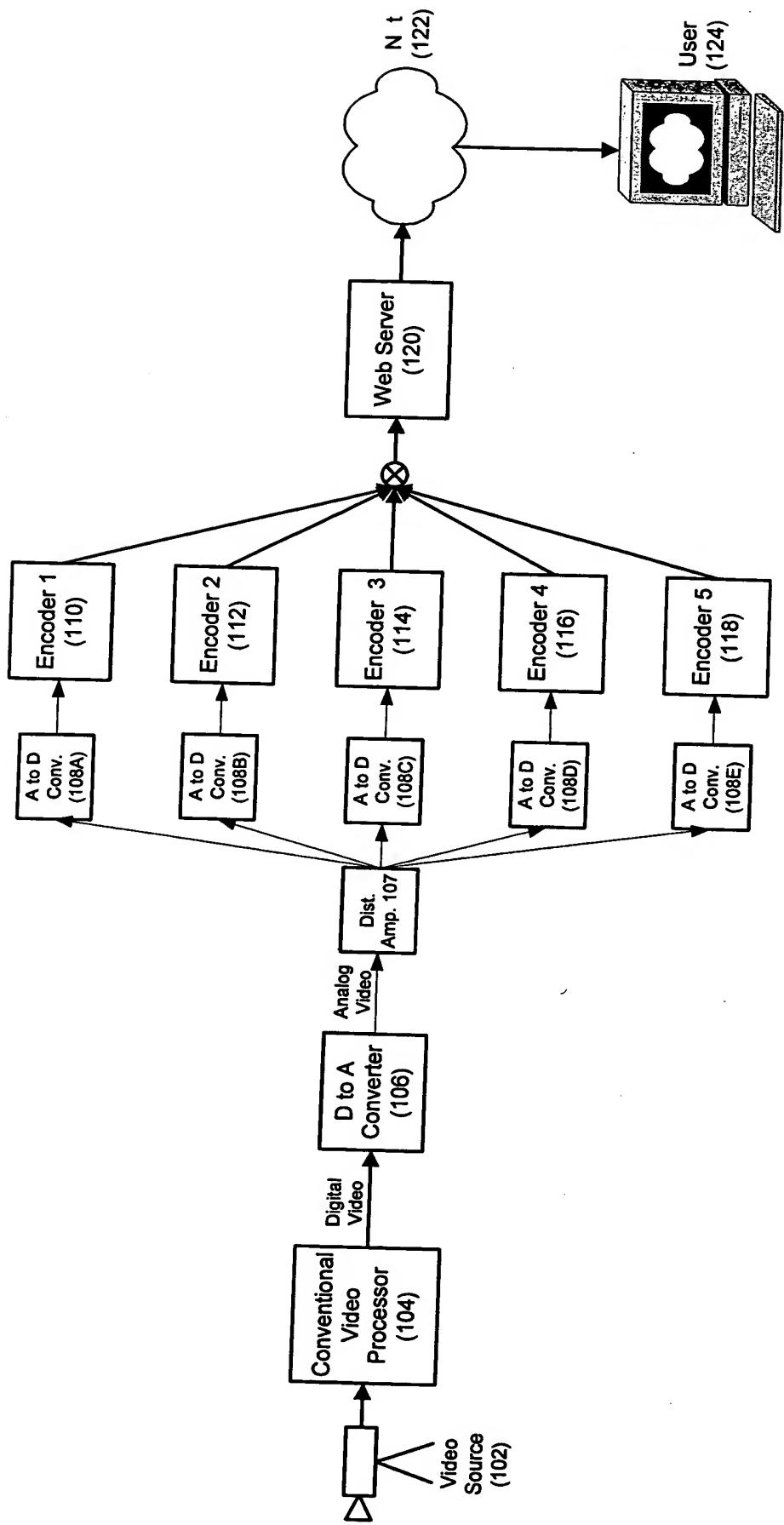


Fig. 1B (prior art)

FIG 2

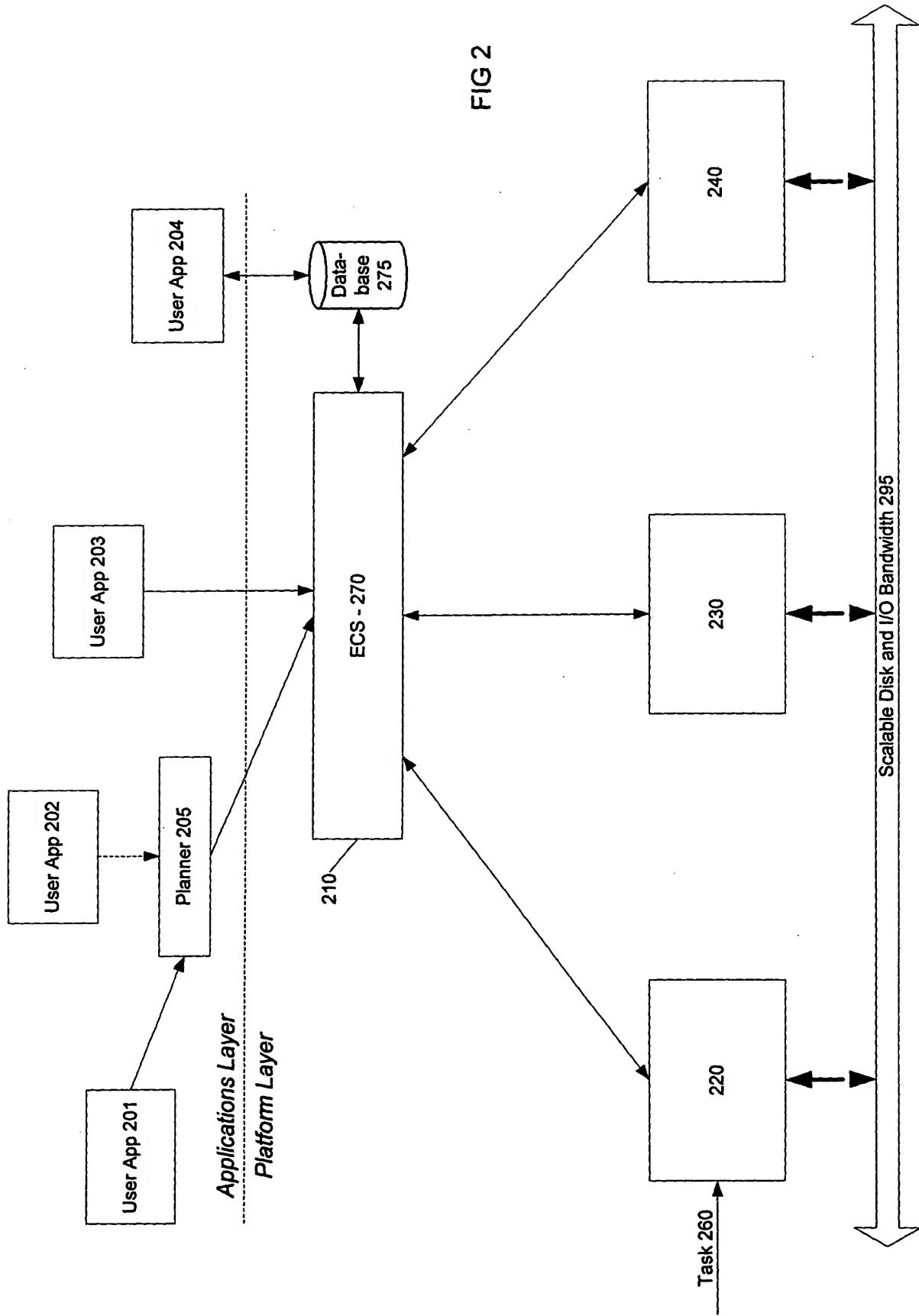


Fig 3B

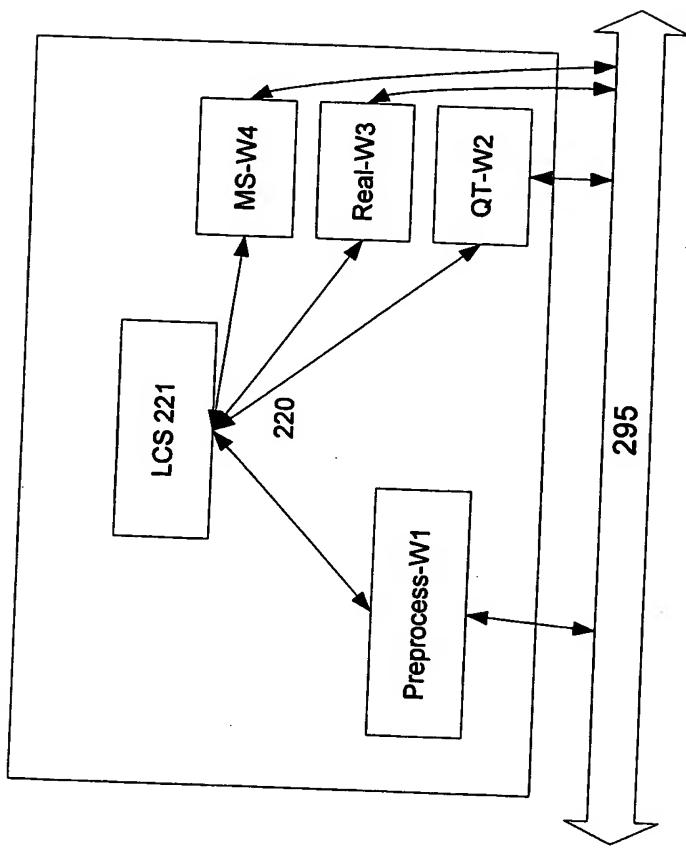
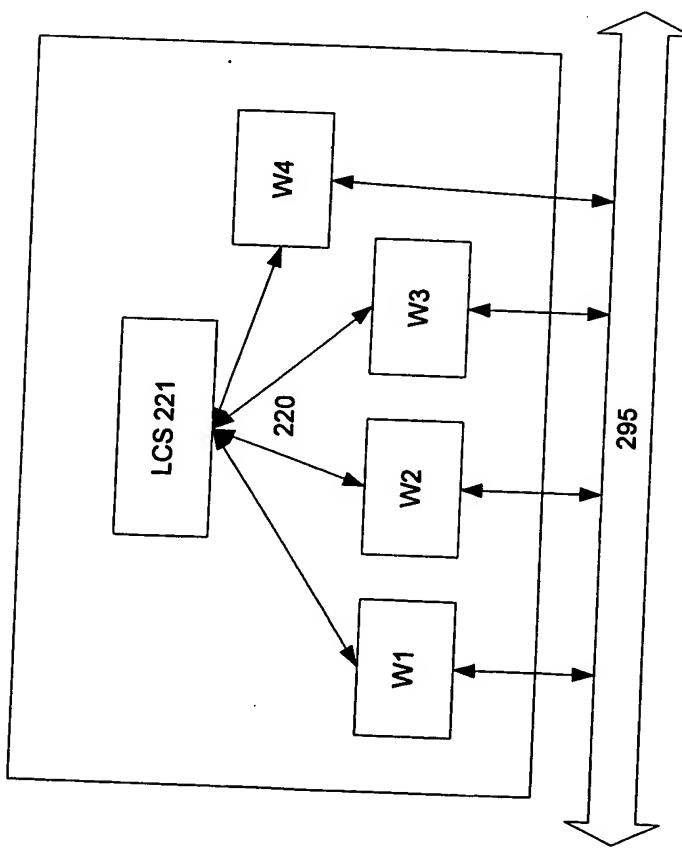


Fig 3A



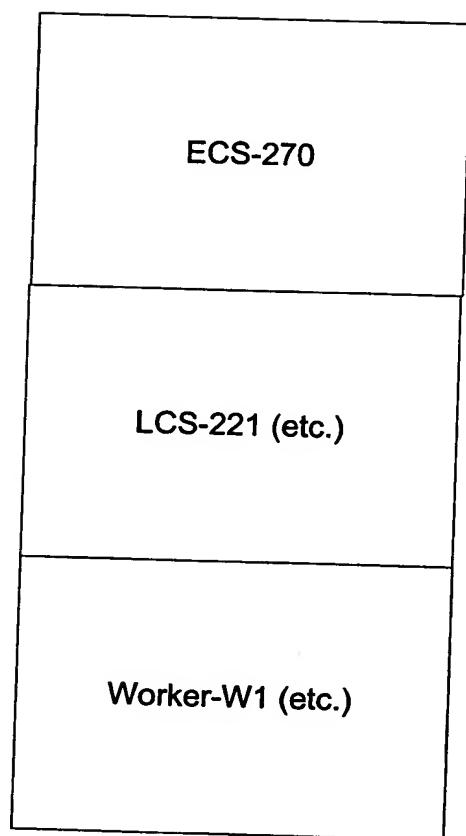


Fig. 4

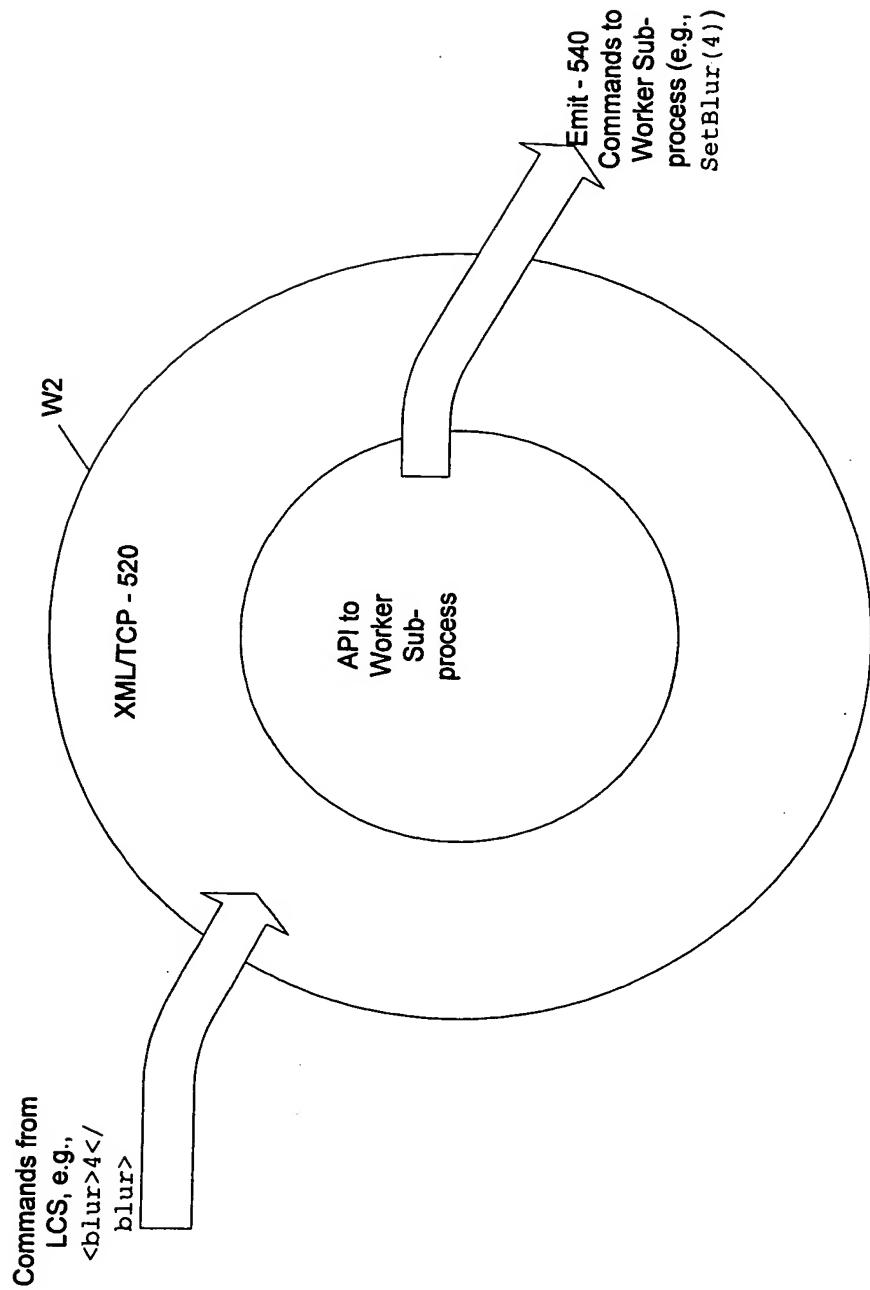
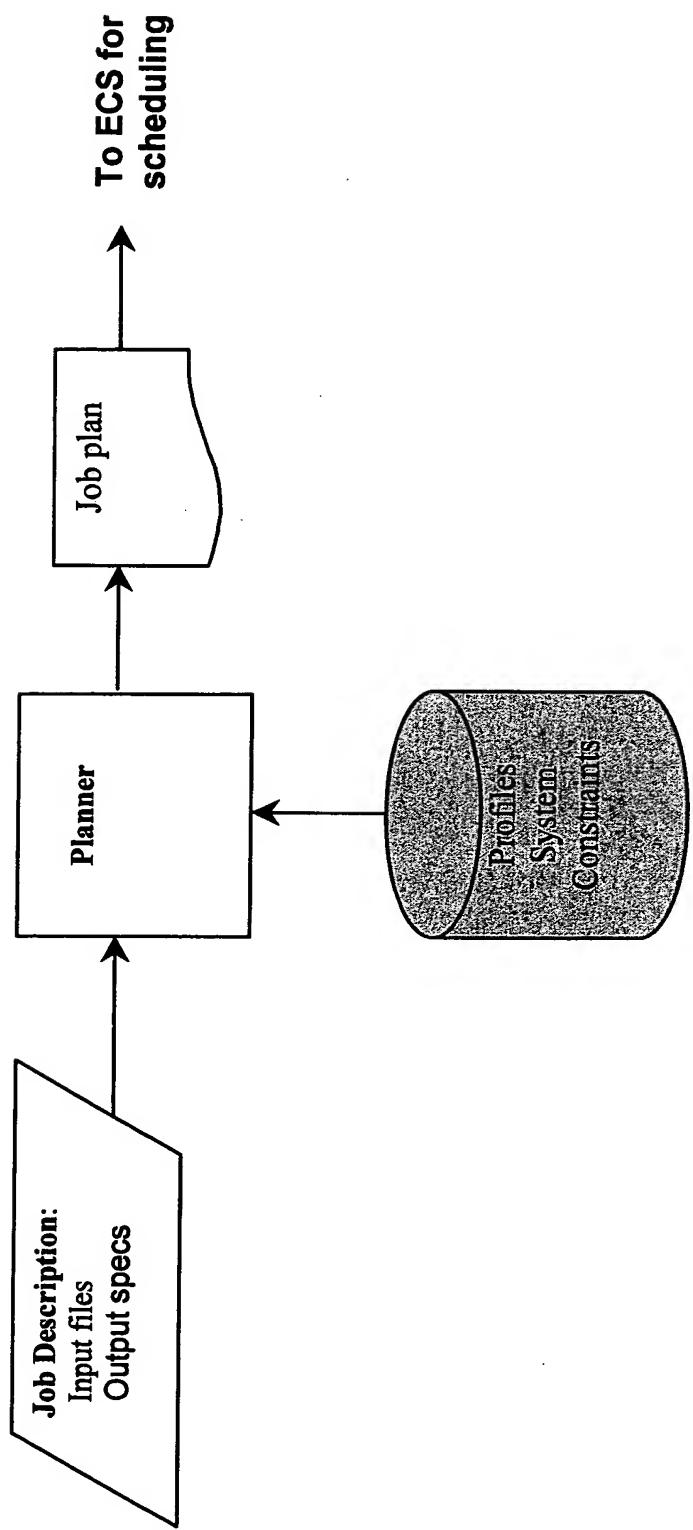
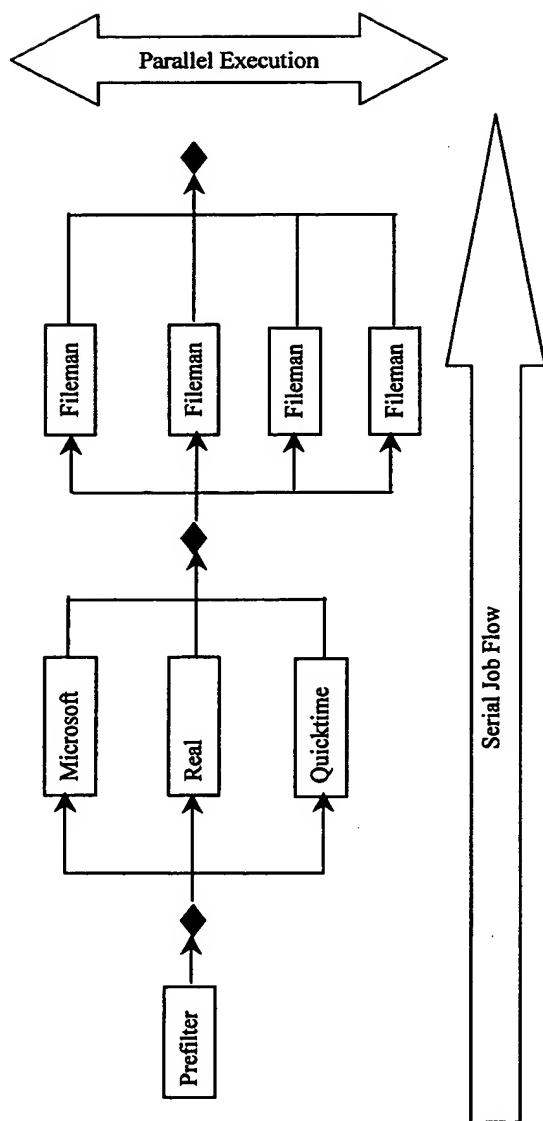


Fig. 5

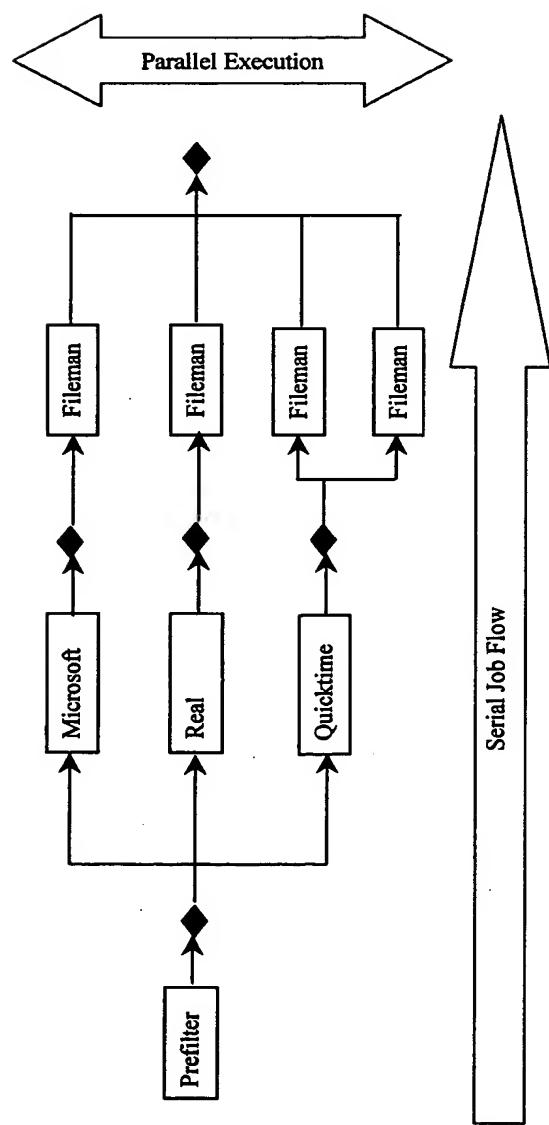
**Fig. 6**



**Fig. 7A**



**Fig. 7B**



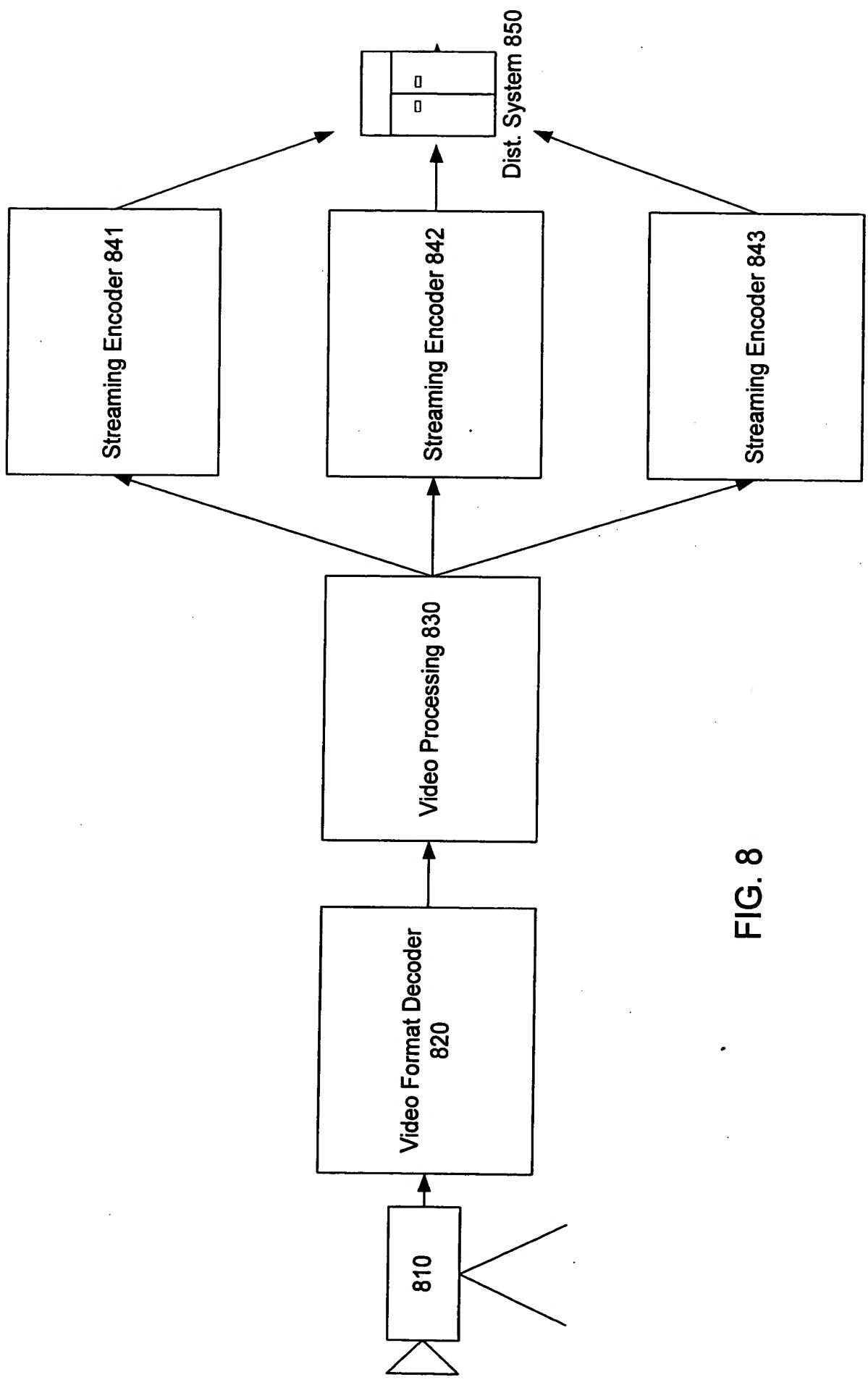


FIG. 8

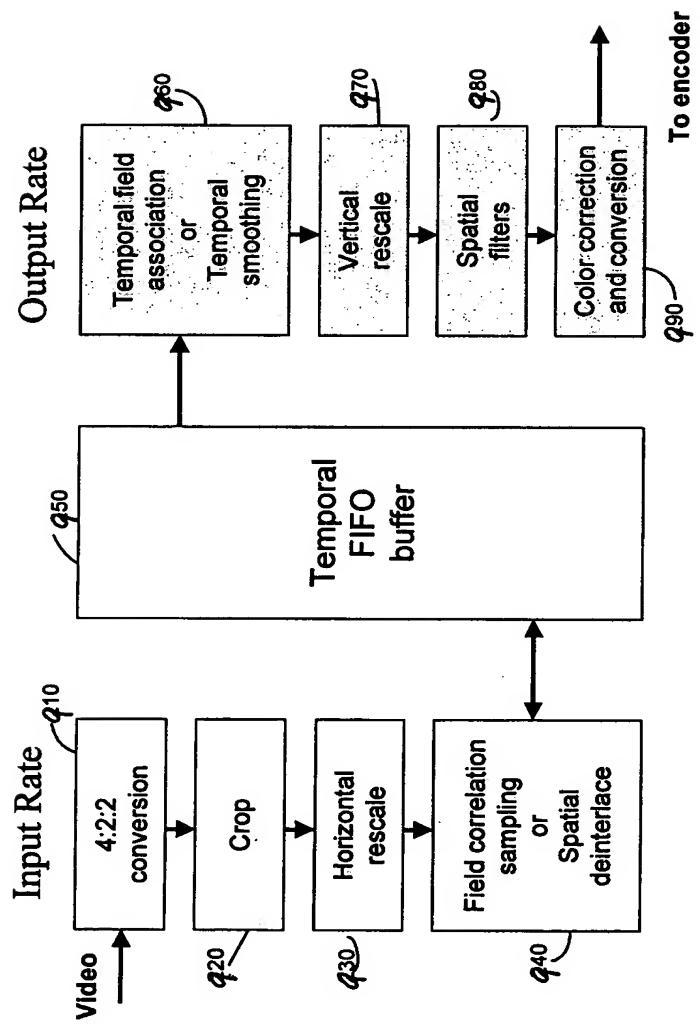


FIG. 9

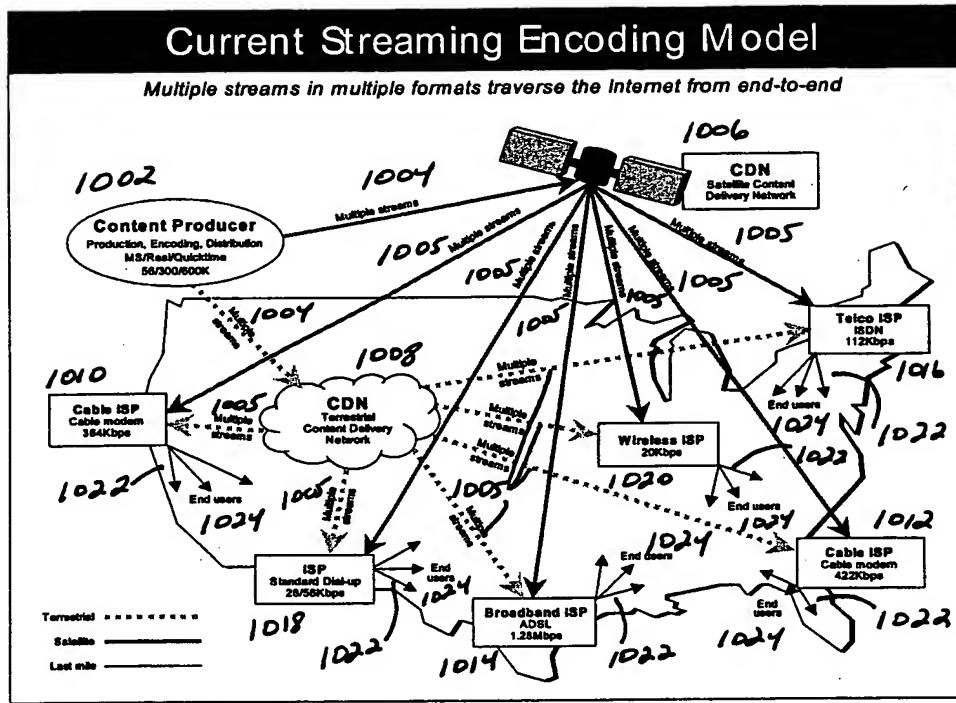
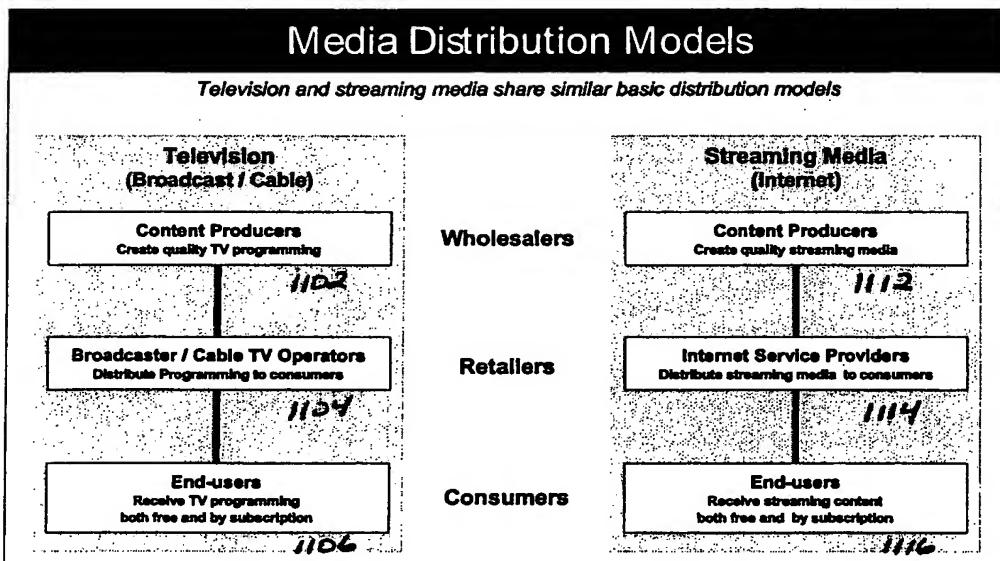


Figure 10 (prior art)



F: g. 11 (prior art)

## Traditional Broadcast Model

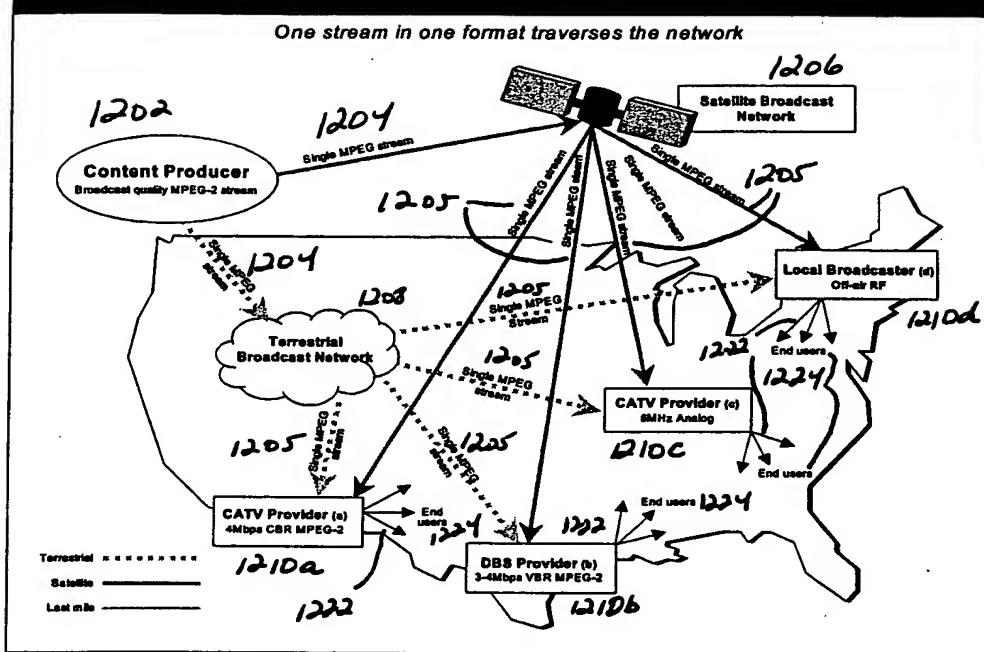


Fig. 12 (prior art)

## Media Economic Models

*Cost and revenue distribution differs significantly between television and streaming media*

### Television (Broadcast / Cable)

Costs	Revenue	Stakeholder
Yes Produce programming & encode single MPEG stream -Pay for transport	Yes Sell Programming to Broadcast / Cable	1302 Content Producers Create quality TV programming
Yes Infrastructure	Yes Sell Broadcast to Content Producers	1303 Satellite & Terrestrial Delivery Distribute Programming to Broadcast / Cable
Yes Pay wholesale price for programming	Yes Sell Broadcast to Retailers	1304 Broadcaster / Cable TV / DBS Operators Distribute Programming to consumers
Yes Pay subscription fees for programming (cable/DBS)	N/A	1305 End-users Receive TV programming both free and subscription
Yes Pay for ad time	Indirect Advertisers	1306 Advertisers (local & national) Purchase ad time to run during network programming

### Streaming Media (Internet)

Stakeholder	Revenue	Costs
Wholesalers	Content Producers Create quality streaming media	1312 No All revenues from providers to content
Transport	Satellite & Terrestrial CDN's Distribute streaming media to ISP's	1313 Restricted Sell Broadcast to Content Producers
Retailers	Internet Service Providers Distribute streaming media to consumers	1314 No Content providers directly linked to streaming media
Consumers	End-users Receive streaming content both free and subscription	1315 N/A No
Advertisers	Advertisers Minimal advertising is not connected to streaming / no localization	1316 No Advertisers not directly linked to streaming media

Fig. 13 (prior art)

# Agility Edge Architecture

Edge encoders can be managed locally or centrally

## Agility Edge encoding platform

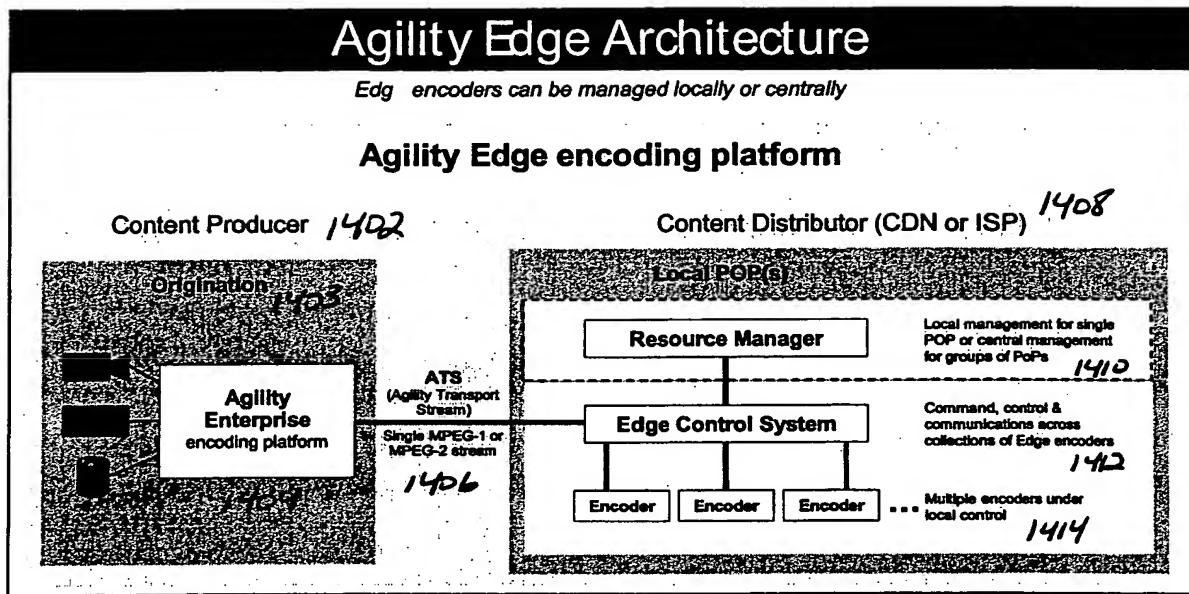


Fig. 14

# Agility Edge Deployment Model

*Optimizing the experience for different customer types enable new revenue models*

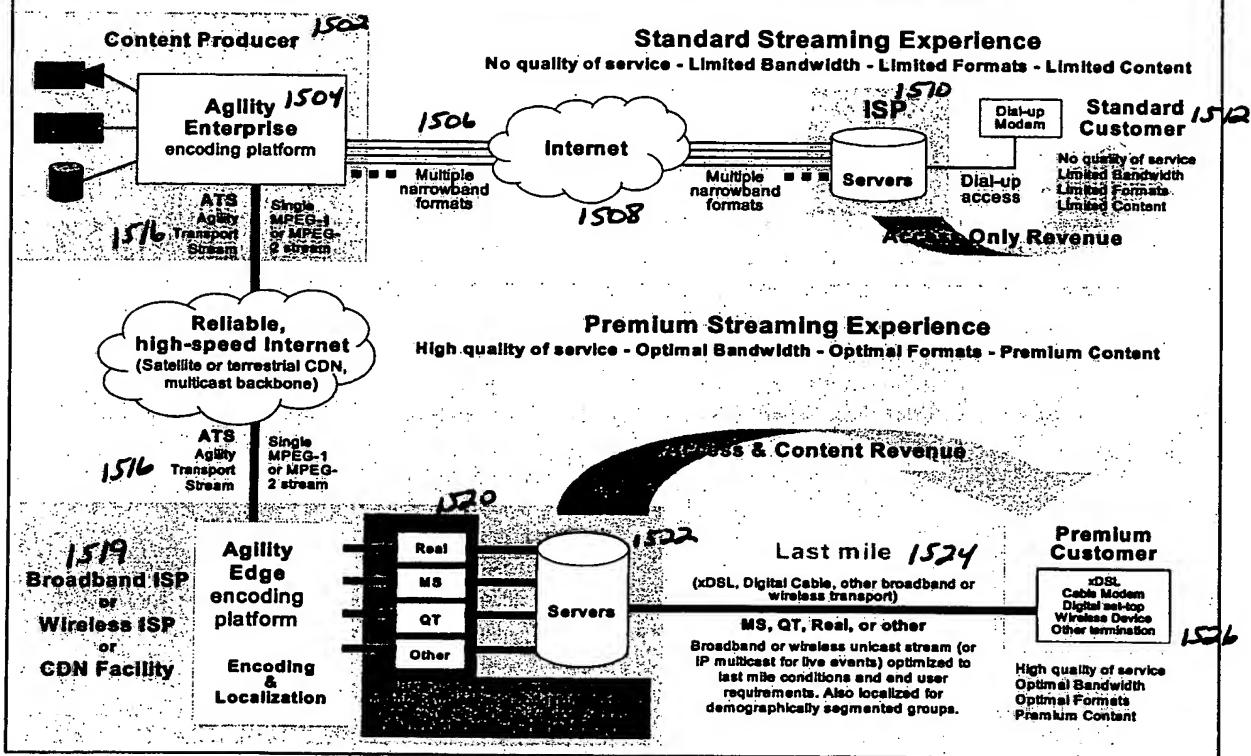


Fig. 15

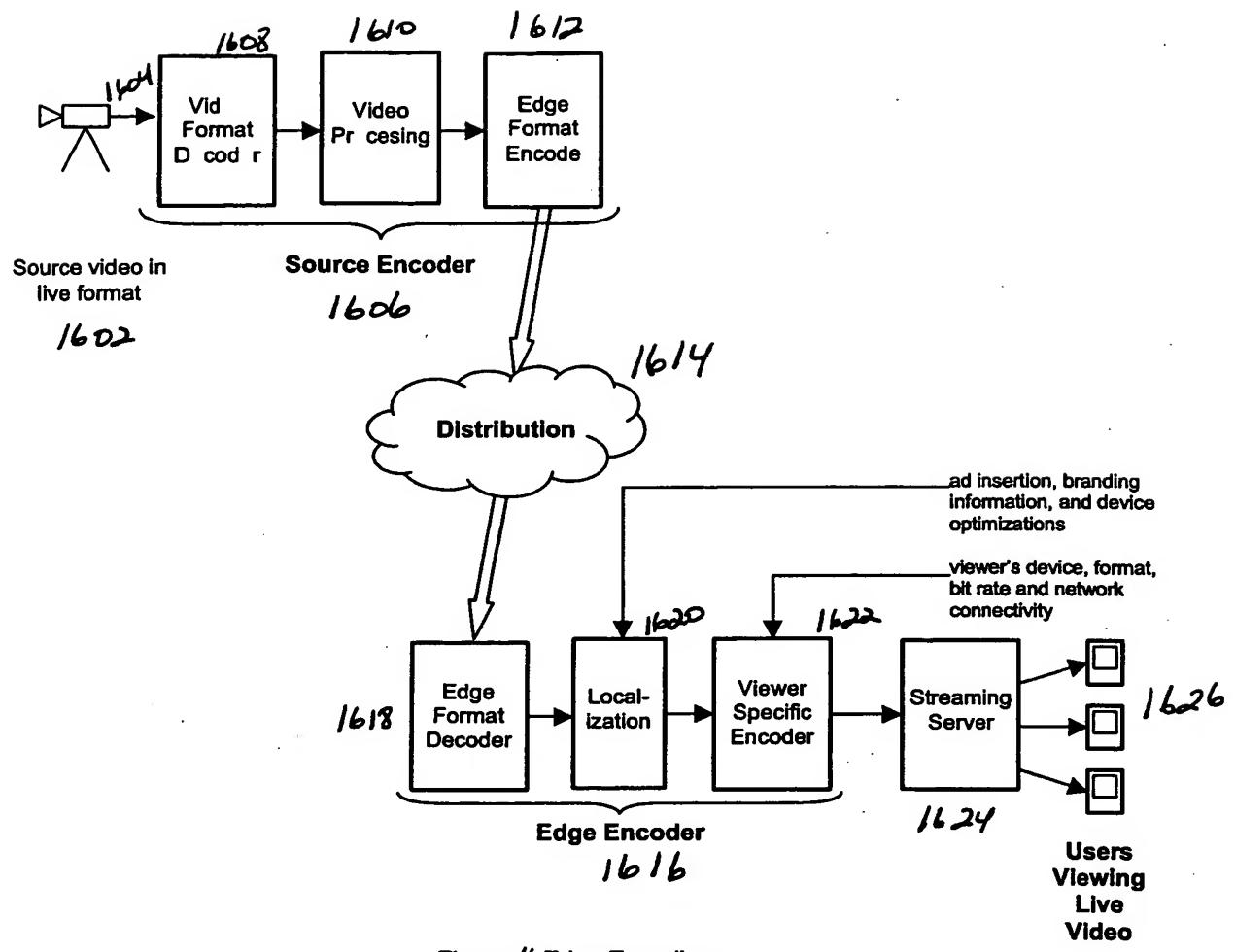


Figure 16. Edge Encoding

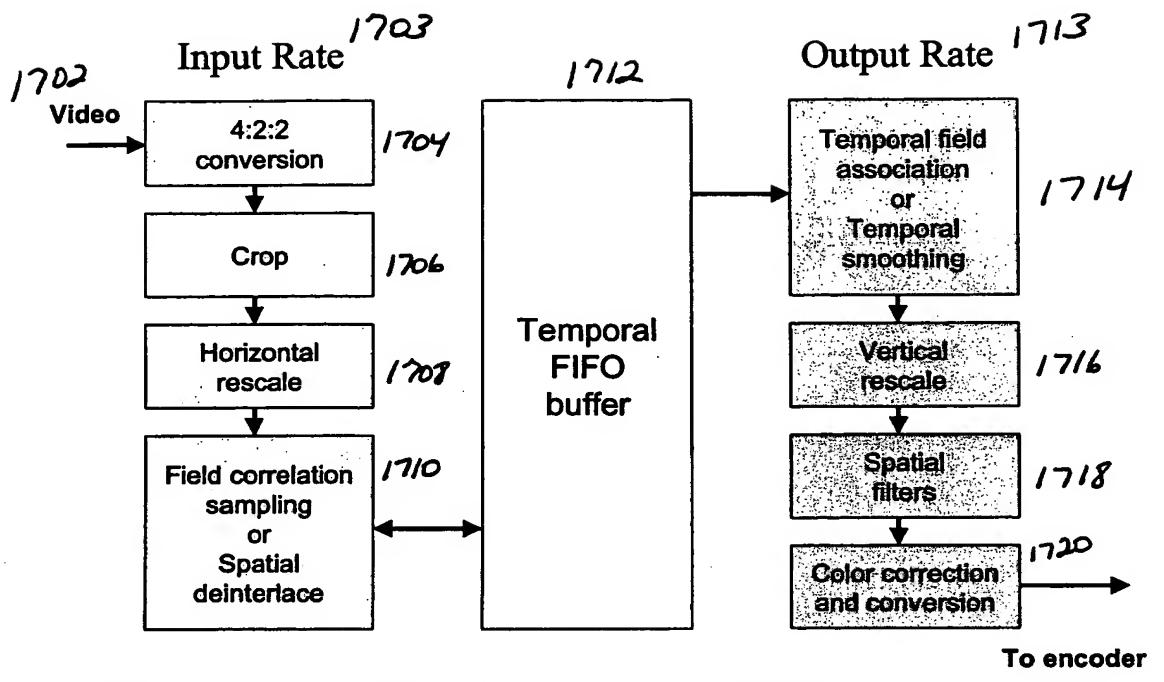


Fig. 17 — Video Preprocessing Flowchart

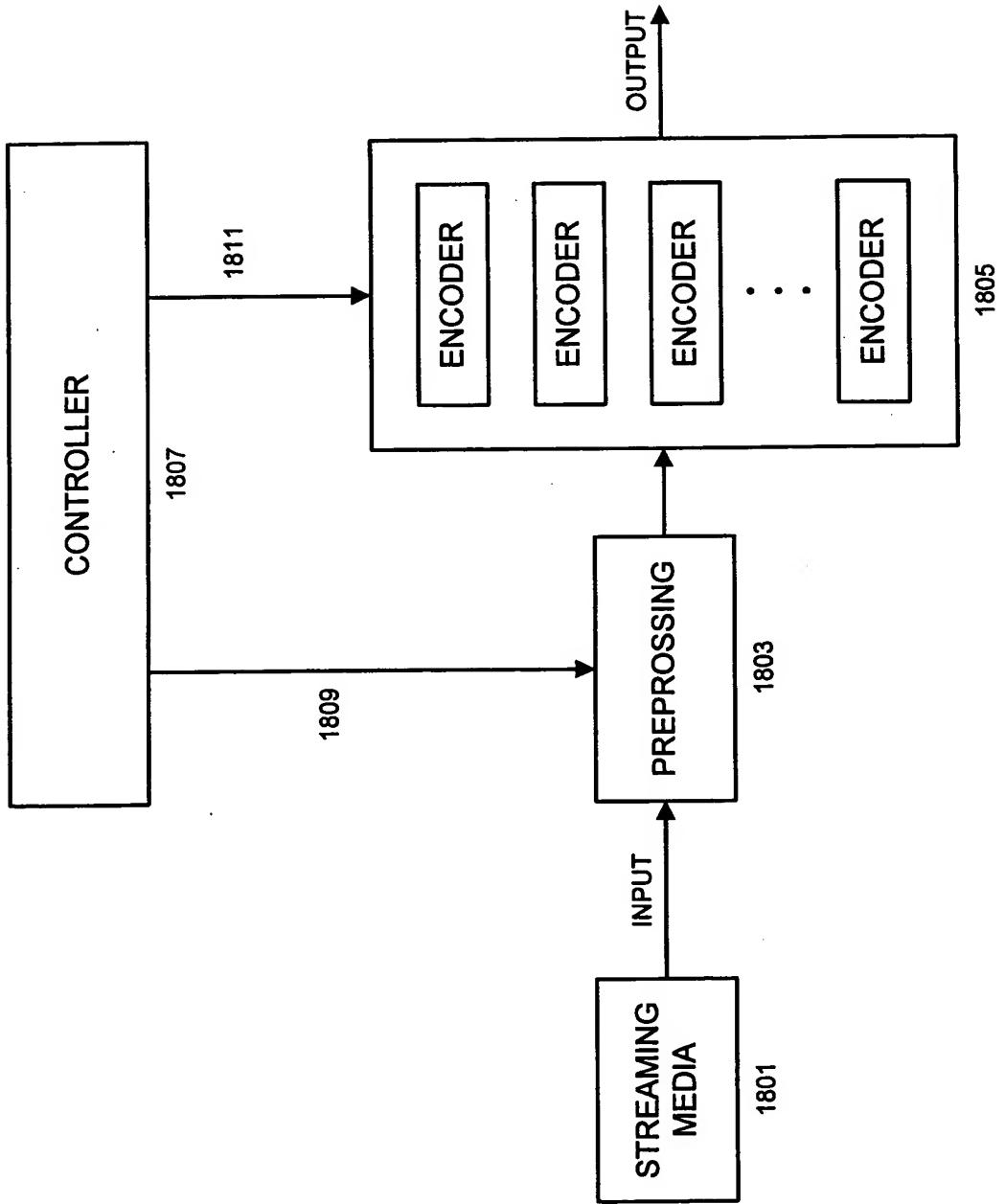


Figure 18